

QY 64 LNEENIGLASSLNKAV-KISK----GEVIFRMADDISYPSPRFQIRFMEENS--LDF 115
 Db : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 64 AQAONGGLIPSNLIGDELAQSKGGGGTARTDADDISPGWIEKIVEMEKSILIM 123
 QY 116 SATIJBELDQK-GNLYVKORESNKYL T---NDIKMLNRLAHTPCKKKVVDKL 170
 Db : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 124 GAWLEVLSSEEDGNRLARHKGKWKPRHEDAAPPFGNPIHNNNTMRRSVIDGG 183
 QY 171 MGY--RDIVVEDDF---AIRGALADFKIGLINKVLQYRINENG-SQTNKFQKY 223
 Db : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 184 IRYDTERDW-AEDQFWPDVSKLRAVY---EALVKYRHANOVSSKHSVRQH- 234
 QY 224 SAILQFKEKSYIDITKINFOQVVKERYT---QELSKYFEL-KSTPSITRKL 277
 Db : : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 235 -BIAQGIK----TARDFLOSMGFKTRFDLSLEYROTKAAYELPEKDLPEDFERA 286
 QY 278 YICLYLYFK 286
 Db 287 RRFLYOCFK 295

RESULT 5
 US-08-312-387B-11
 ; Sequence 11, Application US/08312387B
 ; Patent No. 5545553

GENERAL INFORMATION:
 APPLICANT: Gotzschlich, Emil C.
 TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Klauber & Jackson
 STREET: 411 Hackensack Avenue
 CITY: Hackensack
 STATE: New Jersey
 COUNTRY: USA
 ZIP: 07601

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/312,387B
 FILING DATE: July 7, 1994
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Esc., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 600-1-095B

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201 487-5800
 TELEFAX: 201 343-1684
 TELEX: 133521

INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

; US-08-312-387B-11

Query Match 13.2%; Score 210.5; DB 1; Length 348;
 Best Local Similarity 27.8%; Prod. No. 2.3e-11;
 Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SIMSVVNPPLNYRDVSFESIQLTDFEFIVIDNSRSGDIQFLTEYVVDNRKIL 63
 Db 6 SVLICAYNE-KYFAQSLAVVWQTWRNLIDHVDDGSTDGTI-LAKDFQKRDSRKL 63

QY 64 LNEENIGLASSLNKAV-KISK----GEVIFRMADDISYPSPRFQIRFMEENS--LDF 115
 ; : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 6
 US-08-683-426-3
 ; Sequence 3, Application US/08683426
 ; Patent No. 5705367

GENERAL INFORMATION:
 APPLICANT: Gotzschlich, Emil C.
 TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Klauber & Jackson
 STREET: 411 Hackensack Avenue
 CITY: Hackensack
 STATE: New Jersey
 COUNTRY: USA
 ZIP: 07601

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/683,426
 FILING DATE: September 26, 1994
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/312,387
 FILING DATE: September 26, 1994

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Esc., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 600-1-095B

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201 487-5800
 TELEFAX: 201 343-1684
 TELEX: 133521

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

; US-08-683-426-3

Query Match 13.2%; Score 210.5; DB 1; Length 348;
 Best Local Similarity 27.8%; Prod. No. 2.3e-11;
 Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SIMSVVNPPLNYRDVSFESIQLTDFEFIVIDNSRSGDIQFLTEYVVDNRKIL 63
 Db 6 SVLICAYNE-KYFAQSLAVVWQTWRNLIDHVDDGSTDGTI-LAKDFQKRDSRKL 63

QY 64 LNEENIGLASSLNKAV-KISK----GEVIFRMADDISYPSPRFQIRFMEENS--LDF 115
 ; : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT⁷
US-08-683-426-11
Sequence 11, Application US/08683426
Patent No. 5793367
GENERAL INFORMATION:
APPLICANT: Gotschlich, Emil C.
TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/683, 426
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/312, 387
FILING DATE: September 26, 1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 437-5800
TELEFAX: 201 343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-683-426-11

Query Match 13.2%; Score 210.5; DB 1; Length 348;
Best Local Similarity 27.8%; Pred. No. 2.3e-11; DB 1;
Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SIMSYNEPNPYRSVSVESTINQTLDFERIVIDNPGRGDQFLPTEYSVVDRIKIL 63
Db 6 SVLICAYNE-KYFAQLAQNQWRLNLLIVDGGTGL-AIAKOFQKRSRIKL 63
Db 116 SATIELLDQK-GNLVYKORESNKIVT---NDIRKMLNRNSILAHPTWCVKVFDKL 170
Db 124 GAWLEVLSSEEKGDRNLARHKKHGKIKWPTREDIAAFFPGNPIHNTMRRSVIDGG 183
QY 171 MGY---RDUPVVEDYDF---ATRGALADPKIGILNKVLYQTRLNENGISQTNKFKOYI 223
Db 184 LRYDTERD--AEDYQFWMDVSKGRLAYP---EALVKRILHANQVSRSKSVRH- 234
224 SAILDPYKESYIDTKTNYQEVYIKRVT---QOELSKYFEL--KSPSITRKL 277
QY 235 -EIAQGIQK-----TARDNFQSMGFKTRFDSLEYROTAKAAVELPEKDIPEDERA 286
QY 278 VICKLYFK 286
Db 287 RRFLYQCFK 295

RESULT⁸
US-08-683-458-3
Sequence 3, Application US/08633458
Patent No. 5798233
GENERAL INFORMATION:
APPLICANT: Gotschlich, Emil C.
TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/683, 458
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/312, 387
FILING DATE: September 26, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 437-5800
TELEFAX: 201 343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-683-458-3

Query Match 13.2%; Score 210.5; DB 1; Length 348;
Best Local Similarity 27.8%; Pred. No. 2.3e-11; DB 1;
Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SIMSYNEPNPYRSVSVESTINQTLDFERIVIDNPGRGDQFLPTEYSVVDRIKIL 63
Db 6 SVLICAYNE-KYFAQLAQNQWRLNLLIVDGGTGL-AIAKOFQKRSRIKL 63

RESULT 9
US-08-683-458-11

Sequence 11; Application US/08683458
Patent No. 579823

GENERAL INFORMATION:

APPLICANT: Gotschlich, Emil C.

TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/683,458

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/312,387

FILING DATE: September 26, 1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
TELEX: 133521

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-683-458-11

Query Match 13.2%; Score 210.5; DB 1; Length 348;
Best Local Similarity 27.8%; Pred. No. 2.3e-11; Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

QY 4 SITMSVNEPMLVRSVSINQTLDEFTIVDNPNSRDLKPLTENVSVVDRNIKIL 63

RESULT 10
US-08-878-360-3

Sequence 3; Application US/08878360
Patent No. 594532

GENERAL INFORMATION:

APPLICANT: Gotschlich, Emil C.

TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/878,360

FILING DATE: 18-JUN-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/683,426

FILING DATE:

APPLICATION NUMBER: 08/312,387

FILING DATE: September 26, 1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
TELEX: 133521

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-878-360-3

Query Match 13.2%; Score 210.5; DB 2; Length 348;
Best Local Similarity 27.8%; Pred. No. 2.3e-11; Matches 86; Conservative 55; Mismatches 123; Indels 45; Gaps 15;

US-08-878-360-11

RESULT 11

: Sequence 11, Application US/08878360

PATENT NO. 5,945,322

GENERAL INFORMATION:

APPLICANT: Gotschlich, Emil C.

TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson

STREET: 411 Hackensack Avenue

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/878,360

FILED DATE: 18-JUN-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/683,426

FILED DATE: 18-JUN-1994

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 3,674,742

REFERENCE/DOCKET NUMBER: 600-1-095B

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201 343-1684

TELEFAX: 133521

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-878-360-11

RESULT 12

: Sequence 3, Application US/08478140B

PATENT NO. 6,127,533

GENERAL INFORMATION:

APPLICANT: JOHNSON, KARL F.

APPLICANT: ROTH, STEPHEN

APPLICANT: BUCZALA, STEPHANIE L.

TITLE OF INVENTION: METHOD OF TRANSFERRING AT LEAST TWO SUGAR UNITS WITH A POLYGLYCOSYLTRANSFERASE, A POLYGLYCOSYLTRANSFERASE AND GENE ENCODING A POLYGLYCOSYLTRANSFERASE

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1115 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/478,140B

FILED DATE: 07-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Laura A. Cornuzzi

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7188-017

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 791-9090

TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

;
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
; US-09-333-412-3

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-333-432-11

Matches	Best Local Similarity	Score	No.	Length	Gaps
86;	Conservative	27.8%	210.5;	DB 4;	13.2%;
55;	Mismatches	2.3e-11;	2.3e-11;		
123;	Indels	45;			
15;	Gaps				
4	SIIMSVVNEPLINYRDVSVESTINOTLTDFEFITIVIDNPSPRGDLKQFLETEYSVVDNRKIL	63	137	210.5;	Score 210.5;
6	SVLICKAYNVE-KYFAQSLAAVNQNTWRNLDPILIVDGDSTGTL-AIKDFQKDRSRIKIL	63	27.8%	DB 4;	Length 348;
b					
64	LNEENIGLASSLINKAV-KISK----GEYI F R M D A D D I S P S R F K Q I R N E E N S - - L D F	115	115	115	115
b	:	:	:	:	:
64	AQAQNSGLIPSINTIGLDELA K S G G G C B Y I A T T D A D D I S A P G W I E K T V G E M K D R S I T I A M	123	123	123	123
b	:	:	:	:	:
116	SATLIEBLIDQK-GNLVYKORESNKVIYT---NDRKMNLRSILAHPTWCVKKVF DKL	170	170	170	170
b	:	:	:	:	:
124	GAWLEVTSBEEGDGNRLARHHRHGKGKJWKWPTRHEDIAAFFFPGNPPIHNTMMRVSVIDG	183	183	183	183
b	:	:	:	:	:
171	MGY--RDLV PVEDYDPF---AIRGMADFKIGLNKVLQYRLNENGIGIQTNKFRQYI	223	223	223	223
b	:	:	:	:	:
184	LYRDIERDW- AEDYQFWYDVKSLGRLLAYP---EALVCKRULHANQVSKHSTROH-	234	234	234	234
b	:	:	:	:	:
224	SAILOFPYKERSYIDTITKITYFOEVTKRYT---QQELSKYFELL-KSTPS-TIRKL	277	277	277	277
b	:	:	:	:	:
235	-BIAOGTOK-----TARNDPLOSMGPKTRFDSLEYRQTKAAAYBLEPEKDULP EEDFERA	286	286	286	286
b	:	:	:	:	:
278	YICLIVYKF	286	286	286	286
b	:	:	:	:	:
287	RRFLYQCPK	295	295	295	295

Query Match	Score 210.5;	DB 4;	Length 348;
Best Local Similarity	27.8%;	Pred.	No. 2.3e-11;
Matches	86;	Mismatches	55;
Qy	4 SIMSNTTNEPLVYRDSVESTINQTLTDFEFITIVIDNPSRGDKIQFLTEYSVDRNIKIL	63	
Db	6 SVLICATVNE-KYFQSLAQNQTWNRLDILVDDGSTDGTI-AIAQDFQKDRSIKL	63	
Qy	64 LINENNTGLASSLINKAV_KISK---EDYIFRMADDISYSPRSFFDKOIRFMEENS-LDP	115	
Db	64 AQALQNSGLIPSNLIGNDLBIKAKSGGGGEYIARTDADDIASPGWIEKITGBEMEKKRSIAM	123	
Qy	116 SATLLEJTDQK-GNLVYKQORESNKYL---NDIKRMLNNTSILAH-TWCVKKFRKL	170	
Db	124 GAVLWVSEBBODNR-LARHKKCIIKWPTRHEDIAATFPFGNPIHNNTMMRNSVIBGG	163	
Qy	171 MGY--RDLVYPYDF--AIRGALADPKGLINKVLUQYRLENENGISQTNKEKQVY	223	
Db	184 LRYDTERDW--AEDYQFWYDVSKLGRLLAYP----ELVVKYRLHANQVSXSKHSVRQH--	234	
Qy	224 SATLQDFKYEKSVIDITKITYQBYVKKRYT---QOELSKYFL--KTSITIRKL	277	
Db	235 -EFAQGIQK-----TARNDFLQSMGFKTRFDSLVEYROTQAAYELPEKDLBBDFFERA	286	
Qy	278 VICYLYFK	286	
Db	277 RRLIYQCK	295	

ESUT 15
S-09-333-412-11
Sequence 11. All

Search completed: March 24, 2004, 22:36:34
Job time : 23 secs

TITLE OF INVENTION: GLYCOSYLTRANSFERASES FOR BIOSYNTHESIS OF OLIGOSACCHARIDES, AND GENES ENCODING THEM
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackenback Avenue
CITY: Hackenback
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/333,412
FILING DATE: 15-Jun-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/312,387
FILING DATE: Jul 7, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-095
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
TELEFAX: 201 343-1684
TELEX: 13521
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
PCT/US98/0312387

OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (103998)..(103998)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (148548)..(148548)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (163385)..(163385)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (191989)..(191989)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (191995)..(191995)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (231980)..(231980)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (234814)..(234814)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (234818)..(234818)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (234720)..(234720)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (312837)..(312837)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (312893)..(312893)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (319267)..(319267)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (559167)..(559167)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (600992)..(600992)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (622798)..(622798)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (657081)..(657081)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (657203)..(657203)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (674435)..(674435)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (682442)..(682442)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (713652)..(713652)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (741684)..(741684)
 OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature
 LOCATION: (779455)..(779455)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (779676)..(779676)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (855339)..(855339)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (871719)..(871719)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1087830)..(1084830)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1095845)..(1095845)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1119881)..(1119881)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1130881)..(1130881)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (11310988)..(11310988)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1313224)..(1313224)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (134973)..(134973)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (134991)..(134991)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (147091)..(147091)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1603734)..(160734)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1607912)..(1607912)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1637998)..(1637998)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1664854)..(1664855)
 OTHER INFORMATION: n equals a, t, c, or g

US-08-916-421B-1

Query Match 17.9%; Score 168.4; DB 4; Length 1664976;
 Best Local Similarity 55.2%; Pred. No. 1.1e-27; Matches 363; Conservative 5; Mismatches 281; Indels 9; Gaps 2;

QY 17 TATGTCGTTATACTGAGCTTAAATTGTGAGAATCGTAGACTATATAA 76
 D_b 475813 TAATGGCACACAGGACAGAATTAATTAGAACATTTAGAATCTGCTTAATG 475754

QY 77 ATCAAACCTTACTGATTGAGTCATAATGTCATTGATACTCAAGAGAGGGATT 136
 D_b 475753 ATCAAACCTTACTGATTGAGTCATAATGTCATTGATACTCAAGAGAGGGATT 475694

QY 137 TAAGCAATCTTACGAGATTCAGTGAGATATAGATAATACTGCTTAATG 196
 D_b 475693 CAGGGAAATTATAAGGATAACAGAAGATAATTATAAAATG 475634

QY 197 AACGAATATGGTTAGATCAAGTTGACAAGCGGAAATTCTAGGGAT 256

Db 475633 AAAGAAATTGGTAGAGGAGGCCAGTAGAAATAACGTTAATGCTTGTAGCAAGGGAAAGT 475574

Qy 257 ATATTTTGTAGATGATGCTGATGATGTTCTATCCAAAGTTGATGTTGATAAGCAATT 316

Db 475573 ATATTCATATTAGCTGCTATGATGTTGCTTAAGATGAAACATT 475514

Qy 317 GTTTATGGAGGAATTCAGCTTCTAGACTTAAAGATGAGTAAACATT 373

Db 475513 ATATATGGAAATAATAGACATGTTGTTGCTGGGTTTGTG 475454

Qy 374 AAAAGGAATTTAGTATAAACAGCAGAAAGTAAATACTTAACTPATGATA 433

Db 475453 AAATGGAAATAT-----TTAAAGAGTTAGCCAGAAATAATTAAAGAA 475400

Qy 434 TACGGAGATTTAGTGTAGATCTATGCCCCACCAACTGGCGTAAAGA 493

Db 475399 TAAAAATATTTTCAAGAACATTAACTGTCTCATCTATGTTGAAAGATA 475340

Qy 494 AGTTTGATAGTTAGGATATAGGTTAGAGTTAGCTTGTGAGATTGATTG 553

Db 475339 AAATCTTAAGAAATTAACATTAGTGTGAAATTAGTCAGTACATT 475280

Qy 554 CRATAAGAGGCTCTGCTTCAAAATGGCTTACTCATAAGTACTTTAC 613

Db 475279 GGATTAGTGTAGCATGTTGAAATTGAGATTATTAAAT 475220

Qy 614 ATAGATAAAGAGATGGATAATCACAAACCAATAGTTAGGAATATTACTC 671

Db 475219 ATAGAATTCMAATAGAGACATTAAACAGATCAMAACAAATTATATTC 475162

RESULT 2

US-09-557-884-1

; Sequence 1, Application US/09557884

Patent No. 6566581

GENERAL INFORMATION:

TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments

Thereof, and Uses Thereof

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville

STATE: MD

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette

OPERATING SYSTEM: MS DOS v6.22

SOFTWARE: ASCII Text
FILING DATE: JUN 5-1995ATTORNEY/AGENT INFORMATION:
NAME: Michelle S. Marks
REGISTRATION NUMBER: 41,971REFERENCE/DOCKET NUMBER: PB186P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8439
TELEFAX: 301-309-8504
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base Pairs
TYPE: nucleic acid
STRANDEDNESS: double; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1; Query Match Score 73.6; DB 4; Length 1830121;
; Best Local Similarity 54.9%; Pred. No. 5.6e-07; Mismatches 134; Indels 3; Gaps 1;
; Matches 167; Conservative 0; MisMatches 134; Indels 3; Gaps 1;

; Db 1646128 TATAACCTGAGCATATAGATGAGGATTCATTATATAGACTA 1646187

; Qy 90 TGATTTGAGTCATATGTCATGATAATCCAGTAGGGTTAACGAACTTC 149

; Db 1646188 AAATCTTAAAGATATAGT-TATCATGATGTTGACTTGTCTA---TTT 1646244

; Qy 150 AACGATATTAGCTGTTAGATATGAGTAAACCTGTTAAGGAAATTGG 209

; Db 1646245 AGAGAAATATCTAAATAGTAAAGATAAATTCAGTAATAATTAGG 1646304

; Qy 210 TTAGCTTAAGTTGACAAAGGGTAATTCAGGAGATATTGAGT 269

; Db 1646315 GTTCATAATTCTGTATAAGGCCTGGTTTTCTAGTAATAATTGCAAGAT 1646364

; Qy 270 GGATGCTGATGATTCTATCCAATAGTTGATAAGAAATTGTTATGAGGA 329

; Db 1646355 GGATGCTGATGATTGCTAAACCATGTTGGGTTGAGAAATTGAGAA 1646424

; Qy 330 AAT 333

; Db 1646425 AAT 1646428

RESULT 3

US-09-653-900A-1

; Sequence 1, Application US/09643990A
; Patent No. 6528289; GENERAL INFORMATION:
; APPLICANT: Robert D. Fleischmann
; Mark D. Adams
; Owen White
; Hamilton O. Smith
; J. Craig Venter

; TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments

; Thereof, and Uses Thereof

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville,
; STATE: MD
; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette

; COMPUTER: Dell Pentium

; OPERATING SYSTEM: MS DOS v6.22

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/643, 990A
; FILING DATE: 23-Aug-2000

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/487, 429
; FILING DATE: 1995-06-07; APPLICATION NUMBER: 08/426, 787
; FILING DATE: 1995-04-21; ATTORNEY/AGENT INFORMATION:
; NAME: Kearley K. Hoover
; REGISTRATION NUMBER: 40, 302; REFERENCE/DOCKET NUMBER: PB186P1C1
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 301-610-5790
 TELEFAX: 310-309-8439
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1830121 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-643-990A-1

Query Match 7.8%; Score 73.6; DB 4; Length 1830121;
 Best Local Similarity 54.9%; Pred. No. 5.6e-07; Mismatches 167; Indels 0; Gaps 1;
 Matches 134;

```

QY 30 TAATGAGCCTTAAATTATGTGAGAGATTCAGTAGATCTATTAAATCAACGCTAC 89
Db 1646128 TTATACGCCGAGGAAATAATAGTGAAGAACATTCTCATCATTACAGCTATGA 1646187
QY 90 TGATTTGAGCTCATATGTCATGATATCCAGTAGAGGTGATTAAGGAACTCTI 149
Db 1646188 AATTTAGAAATTAGTATAGTATCATGATGCTCACAGATTACTTGTC 1646244
QY 150 AACAGAAATTCTAGTGTGATAATAGATAAAATCTGCTATGAGAAATATGG 209
Db 1646245 AGAAGAAATTCTAAATTAGATAAGGATAAAATTATCAGTAAATATTAGG 1646304
QY 210 TTTAGCATCAGTTGAGCAAAGGGTGAATTCTAGGGAATTATTTTAAAT 269
Db 1646305 GTTCATAAATCTTGTGAAATTAGGCTGTGTTGAGGAAATTTGCAAGAT 1646364
QY 270 GAGATCTGATGATTCATCCAGTAGATGTTGATAAGCAATTGCTTATGGAGA 329
Db 1646365 GGATGCTGTAGATAACCATCGTGTGATGGAAATTAGTTACCTATCTGGAGA 1646424
QY 330 AAAT 333
Db 1646425 AAAT 1646428

```

RESULT 4

US-09-453-702B-121/C

; Sequence 121; Application US/09453702B

Patent No. 6365723

GENERAL INFORMATION:

APPLICANT: Blattner, Frederick R.

Burland, Valerie

Perma, Nicole T.

Plunkett, Guy

Welch, Rod

TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157

NUMBER OF SEQUENCES: 265

CORRESPONDENCE ADDRESS:

ADDRESSEE: Quarles & Brady

STREET: 1 South Pinckney Street

CITY: Madison

STATE: WI

COUNTRY: US

ZIP: 53701-2113

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 8.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/453, 702B

FILING DATE: 03-Dec-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/110, 955

FILING DATE: 04-DEC-1998

ATTORNEY/AGENT INFORMATION:

NAME: Seay, Nicholas J.

REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296-95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000

INFORMATION FOR SEQ ID NO: 121:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14187
 TYPE: nucleic acid

TOPOLOGY: Linear

STRANDEDNESS: double

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 121:

US-09-453-702B-121

Query Match 7.4%; Score 69.8; DB 4; Length 14187;
 Best Local Similarity 52.7%; Pred. No. 1.6e-05; Mismatches 175; Indels 0; Gaps 1;

```

QY 58 TCAGTAGATCTATTAATCAACGCTACIGATTGAGTCATAATGTCATGAT 117
Db 13802 GATTGAGCACCGAGATACATTICATCATCACAGTTGTTGATCAGATGAC 13803
QY 178 ATAAALATCTGCTTATGAGAAATTATGGTTAGCTCAAGTTGACAAGGGTG 237
Db 13742 ATAAAGATATGCGTACAGACAATTAGGCTGTGCGGAAGTCGAATTATGAA 13683
QY 238 AAATTCCTAAGGAGATAATTATTTAGATGGATGCTGATGATTCATTCAGA 297
Db 13682 GAATGCCACGGGAATTATTCITCTTGTGATGCCGATGTTGCGCAGGAGAA 13623
QY 298 AGATTTGAGCAATTCTTTATGGGAGAATTCTATGCTGATTCAGCAACTCA 357
Db 13622 AATTAGAGCCTCALATCGAGGTAAATTATGATGATGTTGAGTGTCAA 13563
QY 358 ATAGATTTGAGACAAAGGAATTAGT 389
Db 13562 TATTAGCTTATAGATAACAAAGAAATTGT 13531

```

RESULT 5

US-09-495-406-14

; Sequence 14; Application US/09495406

Patent No. 6503744

GENERAL INFORMATION:

APPLICANT: Gilbert, Michel

APPLICANT: Wakarchuk, Warren W.

COUNCIL OF CANADA
 TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of
 TIME OF INVENTION: Gangliosides and Ganglioside Mimics

FILE REFERENCE: 01963-000110US

CURRENT APPLICATION NUMBER: US/09/495, 406

CURRENT FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: US 60/118, 213

PRIOR FILING DATE: 1999-02-01

NUMBER OF SEQ ID NOS: 35

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 14

LENGTH: 906

TYPE: DNA

ORGANISM: Campylobacter jejuni

FEATURE:

NAME/KEY: CDS

LOCATION: (1). (906)

OTHER INFORMATION: beta-1,3-galactosyltransferase from C. jejuni strain

OTHER INFORMATION: OH4384 (ORF 6a of LOS biosynthesis locus)

US-09-495-406-14

Query Match 6.9%; Score 64.8; DB 4; Length 906;

Best Local Similarity 51.8%; Pred. No. 1.2e-05; Matches 172; Conservative 0; Mismatches 157; Indels 3; Gaps 1;

QY 1 ATGAAATTATGGTATCTTGTGCGTTATATGAGCCTTAATTGTGAGGATCA 60
Db 1 ATGTTAAATTTCATCATCTTACCACTTATGTTGAGACATATAAGCAGGCA 60

QY 61 GTAGAATCTATTAATCAACGTTACTGATTTGAGCTCATATGTCATGAT 120
Db 61 ATAGAAAGCTATCATCACTGACTTTAAGATAGA--AATATGGTGTGAT 117

QY 121 CGAAGTAGAGGTGATTAACGATCTACAGATATTCTAGTGTAGATAGATA 180
Db 118 TGTGGAATGTGATTAATGATGATAATAGCCAAAGATACTCTAAAGAACAGATA 177

QY 181 AAATCTGCTATGAGAMATAATGTTGTTAGATCAGTCAAGTGCACAGCGGTGAA 240
Db 178 AAATATCCACAATGAAAGAAACTTAGGCTTTAGAGCAAGATAGAAGGTGTGAA 237

QY 241 ATTCCTAGGERGAATATTTAGATGAGTGTGATATTCATCCAGTAGA 300
Db 238 CTAGCAACTCTCTTATAGTTAGATCTGTGATTTAGATGAGTGTGACATAATGCT 297

QY 301 TTGATAGCAATTGTTATGGGAAA 312
Db 298 TGTGAAAGGTGATAAATTTAGTAGAACA 329

RESULT 6
US-09-495-406-1/C
Sequence 1, Application US/09495406
Patent No. 650374
GENERAL INFORMATION:
APPLICANT: Gilbert, Michel
APPLICANT: Wakarchuk, Warren W.
APPLICANT: National Research Council of Canada
TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of Gangliosides and Ganglioside Mimics
FILE REFERENCE: 019633-000110US
CURRENT APPLICATION NUMBER: US/09/495, 406
CURRENT FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: US 60/118, 213
PRIOR FILING DATE: 1999-02-01
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 11
LENGTH: 1170
TYPE: DNA
ORGANISM: Campylobacter jejuni
FEATURE:
OTHER INFORMATION: glycosyltransferase from C. jejuni strain OH4384
US-09-495-406-11
Query Match Score 63.8; DB 4; Length 1170;
Best Local Similarity 56.8%; Pred. No. 2.1e-05; Matches 138; Conservative 0; Mismatches 102; Indels 3; Gaps 1;
Matches 138; Conservative 0; Mismatches 102; Indels 3; Gaps 1;

QY 42 AAATATGGAGAGTCACTGAGATTATAATTAACGCTACTGATTGAGTT 101
Db 42 AAATATTTAGAGAATGTTAGATCGTATCACTCAACTTAACTTAAAT 101

QY 102 CATTATTCATGATATCCAGTAGGGTAAAGCATTCCTACGATATC 161
Db 102 CATTCTTCATGATGGTAGACAGATGAACTCTACCTCAATATGCCAAGATAC 161

QY 162 AGTGTGACTATAAGATAAAATCTGCTATGAGAAATATTGTTAGCATCA 221
Db 162 CTTAAAGCTAAAGAAATACCTTT--TIGATAGAAATGGGGTTAGTGC 218

QY 222 TTGACCAAGCGGTGAAATTCTAAGGGGATATTTAGATGGTGTGATGA 281
Db 219 TAGAATATGGTATGAGTACTTTAGCGGGATAATAAAACACAACTCACA 278

QY 282 TAT 284
Db 279 TAT 281

RESULT 8
US-09-495-406-1
Sequence 1, Application US/09495406
Patent No. 650374
GENERAL INFORMATION:
APPLICANT: Gilbert, Michel
APPLICANT: Wakarchuk, Warren W.
APPLICANT: National Research Council of Canada
TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of Gangliosides and Ganglioside Mimics
FILE REFERENCE: 019633-000110US
CURRENT APPLICATION NUMBER: US/09/495, 406

CURRENT FILING DATE: 2000-01-31
 PRIOR APPLICATION NUMBER: US 60/118,213
 PRIORITY FILING DATE: 1999-02-01
 NUMBER OF SEQ ID NOS: 35
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 1
 LENGTH: 11474
 TYPE: DNA
 ORGANISM: Campylobacter jejuni
 FEATURE:
 OTHER INFORMATION: including LOS biosynthesis locus
 US-09-495-406-1

Query Match Best Local Similarity 56.8%; Score 63.8; DB 4; Length 11474;
 Matches 138; Conservative 0; Mismatches 102; Indels 3; Gaps 1;
 Qy 42 AAATTATGAGGAGATTCTAGTACATCATTAACTAACGACTCTGTGTTAGGT 101
 Db 2827 AAAATATTAAGAGATGTTAGATGGCTTACATCAACTTAACTAGAAT 2886
 Qy 102 CATAATGTCATGATAATCCAACTAGAGGTAAAGCTTACGAAATTC 161
 Db 2887 CATACTTGCACTATGATGTTAGACAGATCAAACACTCTACTCATATTGCAAAGATAAC 2946
 Qy 162 AGTTGCTAGATAATGATAAAATCTGTTATGAGAAATAITGGTTAGCATAG 221
 Db 2947 CTTAAAGATAAAGATACTCTT--TTGTTAGAAATAATGGGGTTAGTCAGC 3003
 Qy 222 TTGACACAAAGGGTGAATTCTAAGGAGATATTTAGAATGGATCTGTGA 281
 Db 3004 TAGAATATAGTAGATACTTGTAGCGGGATATAATTAAACAACTCAAC 3063

RESULT 9
 US-09-114-000C-1681
 Sequence 1681 Application US/09134000C
 ; Patent No. 6617156
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
 ; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
 ; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 032796-032
 ; CURRENT APPLICATION NUMBER: US/09/114,000C
 ; CURRENT FILING DATE: 1999-08-13
 ; PRIOR APPLICATION NUMBER: US 60/055,778
 ; PRIOR FILING DATE: 1997-02-15
 ; NUMBER OF SEQ ID NOS: 612
 ; SOFTWARE: PatentIn Version 3.1
 ; SEQ ID NO: 1681
 ; LENGTH: 3171
 ; TYPE: DNA
 ; ORGANISM: Enterococcus faecalis
 ; US-09-114-000C-1681

Query Match Best Local Similarity 56.8%; Score 63.4; DB 4; Length 3171;
 Matches 151; Conservative 0; Mismatches 146; Indels 0; Gaps 0;
 Qy 12 TATCATATGCGGTATAATGAGCTTAATATGAGATCTTATGAGATCTT 71
 Db 1698 TGTGCGTGTGCCTGTTATGTCGAGAAAATGCTGCGGTGGCTCTCTT 1757
 Qy 72 ATTAATCAACGCTTACTGATTAGTGTAAATGTCATGATAATCAGTAGAGG 131
 Db 1758 ACAAATCAGACTATGAAATTGGGAGTTAGCTAGATGATGTCGCGCAGCA 1817

RESULT 10
 US-09-495-406-16
 Sequence 16 Application US/09495406
 ; Sequence 16, Application US/09495406
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilbert, Michel
 ; APPLICANT: Wakarchuk, Warren W.
 ; APPLICANT: National Research Council of Canada
 ; TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of
 ; TITLE OF INVENTION: Gangliosides and Ganglioside Mimics
 ; FILE REFERENCE: 019633-00011015
 ; CURRENT APPLICATION NUMBER: US/09/495,406
 ; CURRENT FILING DATE: 2000-01-31
 ; PRIOR APPLICATION NUMBER: US 60/118,213
 ; PRIOR FILING DATE: 1999-02-01
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 16
 ; LENGTH: 912
 ; TYPE: DNA
 ; ORGANISM: Campylobacter jejuni
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(912)
 ; OTHER INFORMATION: Campylobacter glycosyltransferase B (cgfB) beta-1,3
 ; OTHER INFORMATION: Galactosyltransferase from C. jejuni serotype O:2
 ; OTHER INFORMATION: (strain NMC 11168)
 ; US-09-495-406-16

Query Match Best Local Similarity 51.2%; Score 50.4; DB 4; Length 912;
 Matches 167; Conservative 0; Mismatches 156; Indels 3; Gaps 1;
 Qy 1 ATGAAATTATCATCTATGCGTATAATGAGCTTAAATTATGAGATCA 60
 Db 1 ATGAGTCAACTCCCTACTACCTACCACTTAAATGSGAAATTATGCTAGAGCA 60
 Qy 61 GTAGATCTATAATCACACGCTTACAGATTGAGTTGATCTATTCATGATAAT 120
 Db 61 TTGAAAGTGTACCAACTTTAAAGATATGAA--ATCATTTAGATGAT 117
 Qy 121 CCAGTGGAGCTTAAAGCACTCTACAGATATTCAGTGTAAATGAA 180
 Db 118 TGTGTTATGATAAAGTATGATAGTAAAGGTATCTAGTAAAGTATGATA 177
 Qy 181 AAATCTGCTTAATGAGAAATAATGGTTAGATCAAGTTGACAAAGCCTGAA 240
 Db 178 AAATCATACATAATGAGATTTAGAGCAAGTATGAGGCTAA 237
 Qy 241 ATTCTAGGGAGATATTTAGATGGATCTGATGTTATTCATTCAGTAA 300
 Db 238 CGAGCACTTACCTATATGTTTATGATTCTGATGTTATGACTATGCT 297
 Qy 301 TTTGATAGCAATTCGTTATGAA 326
 Db 298 TCGGAAGATGTTAAATTGGA 323

RESULT 11
 US-09-114-000C-1682
 Sequence 1682 Application US/09134000C

Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FARCALLIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032795-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIORITY APPLICATION NUMBER: US 60/0055, 778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1602
; LENGTH: 1602
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; US-09-134-000C-1602

Query Match 6.3%; Score 58.8; DB 4; Length 1602;
; Best Local Similarity 49.1%; Pred. No. 0.0027;
; Matches 156; Conservative 0; Mismatches 162; Indels 0; Gaps 0;

Qy 19 ATGTCGGTATATAATGAGCCTTAATTATGTGAGAGATTGAGATCTATAAT 78
Db 595 ATGCCAGTGATATGTTGAGAAATATGGCTTGCGATGATCTATTGAAT 654
Qy 79 CAAACGCCTACATGATTGAGCTCATTAATTGTCATGATAATCCAGTAGGGGTTA 138
Db 655 CAACTCPATCAACTGGATTATGTGCGCTGAGCTAACAGATCTAATGTC 714
Qy 139 AAGCAATTCTACAGATATTCAGTGTGAGATAATAGATAAAATCTGCTTATGAA 198
Db 715 AAAGAGATTTCACAGCTACAGCTACAGCAATGGATGAGGAATTCGGCTCGTTCTGTAA 774
Qy 199 GAAAATATGTTGATCAGTGTGAGCAAGCGCTGAAATTCTAGGGATAT 258
Db 775 CAATATGGTCATATTGCGAAGCAACACTGTGCTTAGGATTCACGGGATT 834
Qy 259 ATTTCAGATGATGATGAGATATTCATATCCAGTACATTGATAGCAAGAAATTGCT 318
Db 835 GTCGCCTACTAGACAACGATGATGAAATTACCGATCAATGCTTATGAGTGGTTAA 894
Qy 319 TTATGGGAAATCA 336
Db 895 GTCGTGATGAAACCA 912

RESULT 12
US-08-961-527-155/C
; Sequence 155, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,527
; FILING DATE: CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:

Query Match 6.2%; Score 58.6; DB 4; Length 6474;
; Best Local Similarity 45.2%; Pred. No. 0.00039; Matches 303; Conservative 0; Mismatches 359; Indels 9; Gaps 2;

Qy 44 ATTATGTTGAGAGTTCACTAGATCTATTAATTCACAGCTTACTGTGTTGAGTTCA 103
Db 5378 AACCTCTGATAGAGCTGAGAAAGTGTACATCAGATTAATATCGAGTTA 5319
Qy 104 TAATGTTGATGTAATTCAGTAGAGATGTTGAGGATTTAAAGAATTTCAGAATT 160
Db 5318 TAATTATGATGTAATTATGATGATGTAATTAGGATTAATTAGGATTAATTACCATCAATTG 5259
Qy 161 CAGTGTGATAATAGATAAAATCTGCTTATGAGAAATATGTTAGCATCAA 220
Db 5258 GCTATACCATCATAGATAAATAGTTAATTAGTAATGAGATTTAGG 5199
Qy 221 GTTGAACAAAGCGTGAATTCAGGAGATATTITAGGAGATATTITAGATGGATGCTGATG 280
Db 5198 CCAGAACATAGGTCAAATCTAGGTAGTATACTATTITAGGATGATG 5139
Qy 281 ATATTCATCCAGTGTGATGTTGAGCAATTCGTTATGGAGAAATTCTGG 340
Db 5138 ATGATATATGCGAGATGATGATGTTAAGTGTATGGCTGTGTTAAAGAGTAGAATGA 5079
Qy 341 ATTTCAGCAACTCTAATAGATGATAGCAAAAGGAATTTAGATTAACAC 400
Db 5078 AGATTTAGC-----TTAGTTGTTAGTTAGGATAATTTATCCAATGGTACAC 5025
Qy 401 GAGAAAGTATAATAATACTTACTAATAGATAATAGGAGATGTTGATAGATCA 460
Db 5024 GAGAGAGGAGAGACCGATTCTGGAATCCCTTGTGTCATATGGTCACACATA 4965
Qy 461 TACTGCCAACCCACGGTGTGSGTAATAAGAAGTTCTGATAGTTATGGGATATA 520
Db 4964 TAGGAGGTGATTTGGTGTGTAATAAGAAGGGCTCTAGATTATAATGGTTG 4905
Qy 521 GAGATTGTTACCGTTAGAGTATGTTGCAATAAGAGGAGCTGGGTGATTC 580
Db 4904 AGAAATAGATTACATAGGACCGGTGTTTATTAACCTACTTGTTCAGGATAC 4845
Qy 581 AAATGGCTACTCAATAAGTACTTACAGTAGATAGATAACGAGATGATAC 640
Db 4844 AATTCGATATAGTGGCAGAATCTGGTGAATTACTAGCTCACAGTAAAGAACGTA 4785
Qy 641 AAACCATAGTTAGGATATAATTCTCAGTATTACAGATTATTAAGAA 700
Db 4784 TCACUGGAGTGCACAAACAACTTAATGCGATGAGGAATTTATTTACTGTAGGA 4725
Qy 701 AACCTTAAAT 711
Db 4724 ATATTTTAAT 4714

RESULT 13
US-08-467-826-13/C
; Sequence 13, Application US/08487626B
; Patent No. 5993827

; GENERAL INFORMATION:
 ; APPLICANT: Sim, Kim L.
 ; APPLICANT: Chitnis, Chetan
 ; APPLICANT: Miller, Louis H.
 ; APPLICANT: Peterson, David S.
 ; APPLICANT: Su, Xin-zhuan
 ; APPLICANT: Wellens, Thomas E.
 ; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Knobbe Martens Olson & Bear
 ; STREET: 620 Newport Center Drive 16th Floor
 ; CITY: Newport Beach
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/487,826B
 ; FILING DATE: 10-SEP-1993
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Israelien, Ned
 ; REGISTRATION NUMBER: 29,655
 ; REFERENCE/DOCKET NUMBER: NIH121.001CPI
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 235-8550
 ; TELEFAX: (619) 235-0176
 ; INFORMATION FOR SEQ ID NO: 13:
 ; LENGTH: 19124 base pairs
 ; TYPE: nucleic acid
 ; STRANDBENESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ;
 ;
 ; Query Match 6.0%; Score 56,6; DB 2; Length 19124;
 ; Best Local Similarity 43.6%; Pred. No. 0.0013; Mismatches 459; Indels 11; Gaps 2;
 ; Matches 363; Conservative 0; Mismatches 459; Indels 11; Gaps 2;
 ;
 ; QY 11 GTATCATATTGTCGGPATPATGAGCCCTTAATTTGAGGAGATCGAGAATCTCA 70
 ; Db 18461 GTAAATTATTAATTTATAATCTCATATGTAAATCGPATAATATTATAAT 18402
 ; QY 71 TATAAATCACACGTTACTATTTGAGTCATATGCTATGATAATCCAGTAGAG 130
 ; Db 18401 AGTGTGACGTGTGCTTATTTTATTTATAATAAATTTTTTTTTT 18342
 ; QY 131 GIGATTAAAGCAACTCTAACAGAATTCAGTGATAGATAAATTAATCTGC 190
 ; Db 18341 TTTCATTTTTGTGATAGTAGATTATTAGTTGTGATAAAGATAA 18282
 ; QY 191 TTAATCAGAAGATAATTTGAGTCAGTTGAGACAGGTTGAGACAGGCGGTGA 250
 ; Db 18281 GAAATTAAGGATAAGCTTAATTAATTAATGAAATGTTATTTAAATTA 18222
 ; QY 251 GAGATATATTGAGATGCTGATGATATTCATCCAGTAGAT---TGTAT 306
 ; Db 18221 CAAAGAAATTTATGTTATTAATTAATGAGAACTATATATGTTGAGA 18162
 ; QY 307 AGCAATTCTTGTGAGAAATTCTATGGATTCTGAGRACTATAGATG 366
 ; Db 18161 TTAAATTAATTTATGAGATTAATTTTGTGCTGGATTATCAGATA 18102
 ;
 ; 367 ATGACCAAAAGGAATTAGTGTATAAACACGAGAAGTAATAATACACTA 426
 ;
 ; RESULT 14
 ; US-08-487-826B-13
 ; Sequence 13, Application US/08487826B
 ; Patent No. 593827
 ; GENERAL INFORMATION:
 ; APPLICANT: Sim, Kim L.
 ; APPLICANT: Chitnis, Chetan
 ; APPLICANT: Miller, Louis H.
 ; APPLICANT: Peterson, David S.
 ; APPLICANT: Su, Xin-zhuan
 ; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Knobbe Martens Olson & Bear
 ; STREET: 620 Newport Center Drive 16th Floor
 ; CITY: Newport Beach
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 92660
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/487,826B
 ; FILING DATE: 10-SEP-1993
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Israelien, Ned
 ; REGISTRATION NUMBER: 29,655
 ; REFERENCE/DOCKET NUMBER: NIH121.001CPI
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 235-8550
 ; TELEFAX: (619) 235-0176
 ; INFORMATION FOR SEQ ID NO: 13:
 ; LENGTH: 19124 base pairs
 ; TYPE: nucleic acid

STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 US-08-487-826B-13

Query Match 5.9%; Score 55.6; DB 2; Length 19124;
 Best Local Similarity 42.5%; Pred. No. 0.0021; Mismatches 474; Indels 1; Gaps 1;
 Matches 351; Conservative 0; N

QY 94 TTGAGTCATAATGCTGTATCCAGGTGATTAACCAATTCTTACA 153
 Db 15377 TATGAGTTTATATATATATATATATATGTTAATTAAGAAATATAAA 15436
 QY 154 GAATTCAGTGTGATAATGATAAAACTGCTTAATGAGAAATTGGTTA 213
 Db 15437 CAAATTATTAATGAAAGAAATTGAAATATAAAATTTAAATAA 15496
 QY 214 GCATCAAGTTGACAAAGGGTGAATTCTAGGGAAATTCTTGTGATGAT 273
 Db 15497 AAAAAGAAAAAAAGAAAGAAATTTTAAATATAAAATATAAAAT 15556
 QY 274 OCTGATGATTTCTCATCCAGTAGTGTGATAGCAATTCTTGTGGAAAT 333
 Db 15557 ATAATTTGATAGATAAAATGAAAGGATPACAAAAAAATAAATAA 15616
 QY 334 TCATGGATTCCTCGCACTCTAATAGATGATGAGAACAAAGGAATTGAT 393
 Db 15617 ATATATAAAAGAAATGATTAATAAACAAACAGAAAGAAACATC 15676
 QY 394 AACACACGAGAAATATAATACATCACTATGATACGAGATGTTGAT 453
 Db 15677 AAAAAGAAAAATATATATATATAACAAACAAAGAAATATATAATA 15736
 QY 454 AGATCTTACTGCCACCCACGTGCTGCATAAAAGAAAGTTCTGAACT 513
 Db 15737 AATATATATATAATAATAATAATAATAATAATAATAATAATA 15796
 QY 514 CGATATAGAGTTAGTACCTGTGAGATGATGTTGCAATAGGGCTCTGGT 573
 Db 15797 AATATAAAATTTAAATATAATAATAATAATAATAATAATAATA 15856
 QY 574 GATTCAAATTCGGCTACTCTAAAGTCTTACAGTATAGTAAACGACATGA 633
 Db 15857 AAAATAATAATAATAATAATAATAATAATAATAATAATAATAATA 15916
 QY 634 ATATCAAAACAACTAGTTAGCTATTTCTAGCTTATAGAATTAT 693
 Db 15917 ATAAAGAAATAAAATAATTAATTAATTAATAATAATAATAATACATG 15976
 QY 694 AAAGAAATACTTATATTGATCACAAATAACTAATCTTCAGAGTTGTAT 752
 Db 15977 ACATATACATATATATATATATATACATACATACATACATACATA 16036
 QY 753 AAAGAAACGCTACTCAGGAGAGCTCTAAATTTGAGTAATCTACCTCG 812
 Db 16037 TATATATATATATATATACCTAACTACATACATACATATATATAT 16096
 QY 813 TATATCATTAGAACTATATATGTTATTTATGTCCTCGTGTG 872
 Db 16097 ATATATATATATATACCCATAACTACATACATACATACATAACATATA 16156
 QY 873 GAGGTATTAAATGATATATATGTTAGCTGAATGTT 918
 Db 16157 TACCTAAATAATATACACATACATACATACATACATACATAACATATA 16202

RESULT 15
 US-08-998-416-534/C
 ; Sequence 534, Application US/08998416
 ; Patent No. 6239264
 ; GENERAL INFORMATION:

APPLICANT: Philippson, Peter
 APPLICANT: Pollmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Monz, Christine
 APPLICANT: Wendland, Juergen
 APPLICANT: Knachtel, Philipp
 APPLICANT: Reischburg, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHYA GOSSPIII
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: No. 6239264th Carolina
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: CH 0016/97
 APPLICATION NUMBER: US/08/998,416
 FILING DATE: 24-DEC-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: CH 0016/97
 FILING DATE: 31-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 TELEPHONE: 919-541-8587
 INFORMATION FOR SEQ ID NO: 534:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 854 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: PAGI-372UP
 US-08-998-416-534

Query Match 5.4%; Score 51; DB 3; Length 854;
 Best Local Similarity 45.1%; Pred. No. 0.012; Mismatches 320; Indels 2; Gaps 2;
 Matches 265; Conservative 0; N

QY 41 TAATTTAGTGAGAGTTCTAGTAGATCTATTAATCAAACGCTTACGTTGAGT 100
 Db 649 TAAATATAATAGAACTTAACTGTTATGATCATACATACATACATACATA 590
 QY 101 TCAATATGCTATGAGATCTCAAGAGGGATTAAGCAATCTTACAGATTT 160
 Db 589 TCTTAATTTTTATTTATGTTATGTTATCTTATCACTATAACATTTAATGTT 530
 QY 151 CAGTGTAGATAGATAAACTCTGCTTAATGAGAAATATGTTAGCTCAA 220
 Db 529 ATAAATAATAAGAAATTACTTCTAGATATTAAATGTTATTTAATTTAA 470
 QY 221 GTTGAACAGGGTGAATTCTAGGGGAAATTCTAGGGAAATTCTAGGGATGCTGATG 280
 Db 459 TATTAATATACTACATTATTTATGTTATGTTATTTAATTTAATGATA 410
 QY 281 ATATTCATCAAGTGTGATGAGCAATTCTTATGGAGAAATCTG 339
 Db 409 TATATTAATTATAATTTATTTACTCTGTGTTATTAATTTAAT 350
 QY 340 GATTCTCTGCACTCTATGATGATGATGACCAAAAGGAATTAGTATAACAA 399

Db 349 TACCTTCATAATTATTTATTAGTCTGTAATTTATTAATGGCTTACCT 290
QY 400 CGAGAAGTAAATAATAACTAATCAGTATACGGAGGTATGATAGCT 459
Db 289 TATGGATATGAACTACTCTAAATTACCTA-ATAATAATTAGAATCTT 231
QY 460 ATACTGCCAACCAACGGGGCGTAAAGAAAGTTGATAGTAAAGGAT 519
Db 230 AAATCTAAATTATCTAAAGTATAATTAACTTTTATTTATT 171
QY 520 AGGAGTGTACCTGAGGATATTGCAATAAGGGAGCTCGCTGATTC 579
Db 170 AATATTAATTAAATTAGTAAATTATTTATTTATACATAATTGATAAT 111
QY 580 AAAATCGGTTACTCAAAAGCTTACAGTATGATTAACGA 626
Db 110 ATATATCAATTAAATGGAAATTAAATATAATCTTAATGA 64

Search completed: March 28, 2004, 07:33:01
Job time : 119 secs